

**Course Fee: US\$450**

This workshop is devoted to the shell-and-tube exchanger geometries handled only by *Xist*. The course focuses on the extensive options available in *Xist* and how you can use these methods effectively to solve several example problems. You will leave the class knowing how to take full advantage of the features this robust tool offers.

**Key Topics**

- Overview of *Xist* interface and the benefits of HTRI methods
- Process specifications rules for rating, simulation, and design
- Guidelines for specifying fluid properties
- Description of *Xist* geometry input parameters and their defaults
- Interpretation of *Xist* outputs for validation of unit performance

**Suggested Participants**

Designers of shell-and-tube heat exchangers and process engineers who evaluate their performance

**HTRI Software**

This course will make use of the following HTRI software: *Xchanger Suite*<sup>®</sup> component *Xist*<sup>®</sup>. All training materials are based on the current software version.

**Course Credits:** 6 hours (PDH/CEU)

**Outline**

- I. Introduction
  - Applications of *Xist*
  - Overview of thermal performance prediction
- II. Process Conditions
  - Case mode selection
  - Process specification
- III. Fluid Properties
  - Property input options in *Xist*
  - Guidelines for fluid property specification
- IV. Geometry
  - Key geometry input features in *Xist*
- V. Program Outputs
  - Output Summary, Runtime Messages, and other reports